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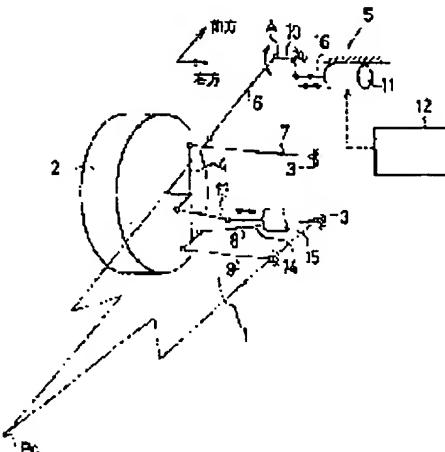
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(71)Applicant : MAZDA MOTOR CORP

(72)Inventor : ANDO FUMITAKA  
EDAHIRO TAKESHI  
HIRABAYASHI SHIGEFUMI**(54) CAR SUSPENSION DEVICE****(57)Abstract:**

**PURPOSE:** To generate high-caster operation when a car is cornering even in case a suspension geometry with the anti-diving performance and attitude stability enhanced to a great extent is incorporated in the car.

**CONSTITUTION:** A suspension mechanism 1 comprises an upper trailing link 6, upper lateral link 7, and a pair of lower lateral links 8, 9, in which the momentary center  $P_c$  of front wheel 2 viewed on the car body side elevation is determined as the intersection of the axis of the link 6 with the line tying the body side coupling points of the lower lateral links 8, 9. In this suspension mechanism 1, the momentary center  $P_c$  is set high to enhance the anti-diving performance and attitude stability. An adjusting means 5 to adjust the position of the body side coupling point A of the link 6 in accordance with the degree of cornering in order to generate high-caster operation by sinking the momentary center  $P_c$  of the cornering outer wheel at the time of cornering bump.

**LEGAL STATUS**

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